

Title (en)
PREDICTIVE POSITION ENCODING

Title (de)
PRÄDIKTIVE POSITIONSKODIERUNG

Title (fr)
CODAGE DE POSITION PRÉDICTIF

Publication
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Application
EP 11875559 A 20111107

Priority
CN 2011081880 W 20111107

Abstract (en)
[origin: WO2013067674A1] A method and apparatus for position coding of three dimensional mesh models are described including estimating a symbol probability of a non-empty-child-cell C1,k, where Q1,k denotes the kth cell at layer /, wherein the symbol probability is estimated based on an accuracy of a fitted plane P, sub-dividing the non-empty-child-cell to produce a sub-cell, if the non-empty-child-cell has more than one vertex, determining if there are more unprocessed non-empty-child-cells at layer /, if there are no more unprocessed non-empty-child-cells at layer /, determining if all non-empty-child-cells at layer / have only one vertex and a distance between the center of the sub-cell and a point inside the sub-cell is less than or equal to a first threshold and entropy coding symbols representing a position of the non-empty-child-cells, if all non-empty-child-cells at layer / have only one vertex and the distance between the center of the sub-cell and the point inside the sub-cell is less than or equal to the first threshold.

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